

## **Focus Area 24: Respiratory Diseases**

**Objective 24-2c** calls for reduction in the hospitalization rate for asthma to 11.0 per 10,000 population aged 65 years and older.

Hospital discharge data indicate a statistically significant increase in age-adjusted rates among California residents aged 65 and older with a principal diagnosis of asthma (ICD-9-CM code 493) from 14.7 per 10,000 in 2000 to 22.0 per 10,000 in 2005 (Figure 24-2c, Table 24-2c). These rates are significantly higher than the HP2010 objective, and are moving away from the target.

Females aged 65 and older had significantly higher age-adjusted asthma hospitalization rates than males, and the rates for both females and males are significantly increasing. Age-adjusted rates for females aged 65 and older increased from 18.1 per 10,000 in 2000 to 26.8 per 10,000 in 2005, while rates for males aged 65 and older increased from 10.0 per 10,000 in 2000 to 14.5 per 10,000 in 2005. The HP2010 objective is not being achieved for either gender in this age group, and rates are increasing away from the HP2010 target.

Blacks/African Americans aged 65 and older had the highest age-adjusted asthma hospitalization rates, which were found to have increased significantly from 26.7 per 10,000 in 2000 to 39.8 per 10,000 in 2005. Hispanics/Latinos experienced the next highest rates (significant increase from 22.0 per 10,000 in 2000 to 30.4 per 10,000 in 2005), followed by Asians/Pacific Islanders (28.3 per 10,000 in 2005), and Whites (also showing a significant increase from 10.9 per 10,000 in 2000 to 17.2 per 10,000 in 2005). The HP2010 objective was being achieved only for American Indians/Alaska Natives for 2005 (8.0 per 10,000 population aged 65 and older). This HP2010 objective is not being achieved for any other racial or ethnic population aged 65 and older in California in 2005.

For more information on asthma, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/asthma>

For more information on Healthy People 2010 objective 24-2c, please visit:

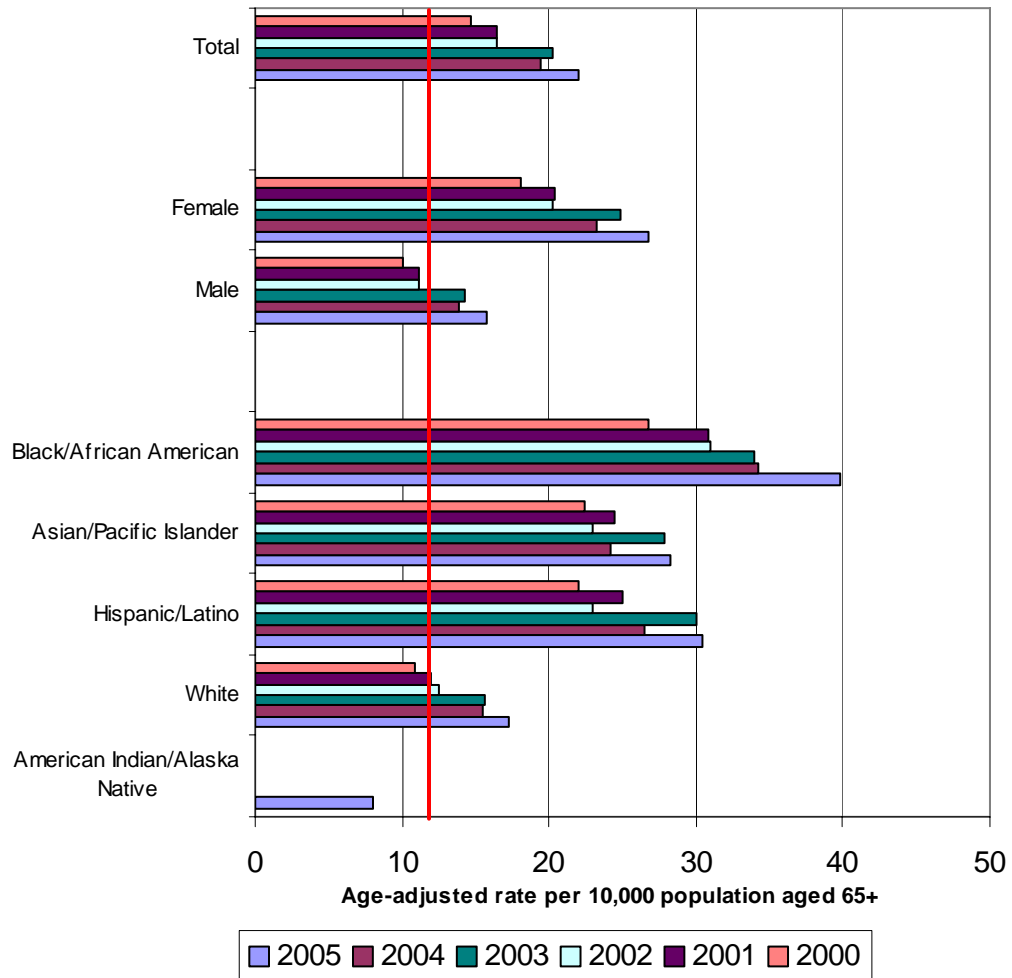
[http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#\\_Toc489704825](http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825)

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

**Figure 24-2c**  
**Asthma Hospitalization Rates Among Persons Aged 65 and Over**  
**California, 2000-2005**

Healthy People 2010 objective = 11.0



**Table 24-2c: Asthma Hospitalization Rates Among Persons Aged 65 Years and Older, California 2000-2005**

Objective 24-2c	2000		Lower 95% C.I.	Upper 95% C.I.	2001		Lower 95% C.I.	Upper 95% C.I.
	N	Rate <sup>1</sup>			N	Rate <sup>1</sup>		
<b>Healthy People 2010 Target</b>		<b>11.0</b>				<b>11.0</b>		
<b>Statewide Total</b>	5,333	14.7	14.3	15.1	6,174	16.5	16.1	16.9
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	5	DSU	-----	-----	17	DSU	-----	-----
Asian/Pacific Islander	793	22.4	20.8	24.0	935	24.4	22.8	26.0
Black/African American	487	26.7	24.4	29.1	594	30.8	28.4	33.3
Hispanic/Latino	1,028	22.0	20.7	23.4	1,260	25.0	23.6	26.4
White	2,806	10.9	10.5	11.3	3,125	11.9	11.5	12.3
<b>Gender</b>								
Female	3,823	18.1	17.6	18.7	4,415	20.4	19.8	21.0
Male	1,510	10.0	9.5	10.5	1,759	11.2	10.6	11.7

Objective 24-2c	2002		Lower 95% C.I.	Upper 95% C.I.	2003		Lower 95% C.I.	Upper 95% C.I.
	N	Rate <sup>1</sup>			N	Rate <sup>1</sup>		
<b>Healthy People 2010 Target</b>		<b>11.0</b>				<b>11.0</b>		
<b>Statewide Total</b>	6,323	16.4	16.0	16.8	8,060	20.3	19.8	20.7
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	5	DSU	-----	-----	8	DSU	-----	-----
Asian/Pacific Islander	935	23.0	21.5	24.4	1,196	27.8	26.2	29.4
Black/African American	616	31.0	28.6	33.5	697	34.0	31.4	36.5
Hispanic/Latino	1,224	23.0	21.7	24.3	1,684	30.0	28.6	31.5
White	3,326	12.5	12.0	12.9	4,213	15.6	15.1	16.0
<b>Gender</b>								
Female	4,505	20.2	19.6	20.8	5,660	24.8	24.2	25.5
Male	1,818	11.2	10.7	11.7	2,400	14.3	13.7	14.9

Objective 24-2c	2004		Lower C.I.	Upper C.I.	2005		Lower C.I.	Upper C.I.
	N	Rate <sup>1</sup>			N	Rate <sup>1</sup>		
<b>Healthy People 2010 Target</b>		<b>11.0</b>				<b>11.0</b>		
<b>Statewide Total</b>	7,746	19.4	18.9	19.7	8,956	22.0	21.6	22.5
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	8	DSU	-----	-----	20	8.0	4.5	11.5
Asian/Pacific Islander	1,091	24.2	22.8	25.7	1,332	28.3	26.7	29.8
Black/African American	715	34.2	31.7	36.7	855	39.8	37.1	42.4
Hispanic/Latino	1,555	26.5	25.2	27.9	1,873	30.4	29.1	31.8
White	4,155	15.5	15.0	15.9	4,621	17.2	16.7	17.7
<b>Gender</b>								
Female	5,378	23.3	22.7	24.0	6,255	26.8	26.1	27.4
Male	2,368	13.9	13.4	14.5	2,701	15.7	15.1	16.3

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2005;  
CA Department of Finance, Demographic Research Unit, *Population Projections by Race/Ethnicity for California and Its Counties 2000-2050*, May 2004.

NOTES: \* ICD-9-CM code 493 in the Principal Diagnosis field of the discharge record.

<sup>1</sup> Age-adjusted rate per 10,000 population aged 65 years and over.